

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

**That the Alarm devices - Sounders**

with type designation(s)  
**DBS720, FDS221R/W, FDS229A/R, FDSB29x**

Issued to

**Siemens Schweiz AG**  
**Zug, Switzerland**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2017/306**,  
**item No. MED/3.53. SOLAS 74 as amended, Regulation II-2/7 & X/3, 1994 HSC Code 7, 2000 HSC Code 7, FSS Code 9, IMO MSC.1/Circ.1242 and IMO MSC.1/Circ.1487**

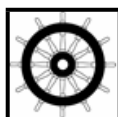
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2019-07-15**.

Issued at **Hamburg** on **2018-05-22**

DNV GL local station:  
**Augsburg**

Approval Engineer:  
**Heinz Scheffler**



Notified Body  
No.: **0098**

for **DNV GL SE**

**Sven Dudzus**  
**Head of Notified Body**

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



## **Product description**

### **Fire Alarm Devices - Addressable Sounders:**

- FDSB291; Sounder base
- FDS221R; FDS221W; Alarm Sounders
- FDS229R; FDS229A: Alarm Sounder Beacons
- FDB221 and seal FDBZ295 Detector base addressable
  - For use on the addressable CNET of CerberusPRO® fire control panels FC722-ZA ; FC722-ZE; FC724-ZA;FC724-ZE or on the addressable FD-Net of AlgoRex® CS1140
- DBS720: Sounder base
  - Fire Alarm Device with DBx: For use only on the addressable CNET of CerberusPRO® fire control panels FC722-ZA ; FC722-ZE; FC724-ZA;FC724-ZE or on addressable FD-Net of Sinteso® fire control panels FC2020-AA, FC2020-AE, FC2040-AA, FC2040-AE

## **Application/Limitation**

None

## **Type Examination documentation**

DNVGL\_Documentation\_Reports\_2018-02-26

## **Tests carried out**

EN 54-3 (2001) to A2 (2006); IEC 60092-504 (2001) including IEC 60092-504 Corrigendum 1 (2011); IEC 60533 (1999)

## **Marking of product**

The products to be marked with:

- Model name
- Manufacturer name
- Serial number
- According to Article 10 of the Council Directive (MED)

END OF CERTIFICATE